

PET-G @df

PET-G @df is a strong, high clarity, odor neutral and easy to print filament for 3D printing. These characteristics, together with the high impact strength, excellent flexibility and practically no shrinkage make PET-G an excellent material which combines the advantages of both PLA and ABS. The filament is hydrophobic and therefore does not absorb water. In short, PET-G has many great features and is the perfect addition to any filament assortment.

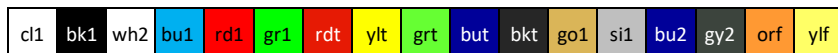
Features:

- High clarity
- Strong & Flexible
- Almost no "warping"
- Hydrophobic (Does not absorb water)
- Food Contact Acceptable
- Odor neutral printing



Colours:

PET-G @df is available from stock in 11 colours. Other colours on request



Packaging:

PET-G @df is available in nearly any type of packaging and labelling. Ask our team to help you customizing your product.

Filament specs.

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,27 g/cc
MFR 190°C/2,16 kg	ISO 1133	6,4 gr/10 min
Tensile strength at yield	ISO 527	50,4 Mpa
Strain at yield	ISO 527	5,9%
Strain at break	ISO 527	22,7%
Tensile Modulus	ISO 527	2020 MPa
Flexural modulus	ISO 178	2050 Mpa
Flexural strength	ISO 178	69 MPa
Impact strength - Charpy method 23°C	ISO 179	8,1 kJ/m ²
Rockwell Hardness	ASTM D785	105
Moisture absorption	ISO 62	1104 ppm
Printing temp.	DF	195-220°C
Heat Deflection Temp	ASTM 648	70°C
Transparency	ASTM D1003	90%

Additional info:

Recommended temperature for heated bed is ± 35-60°C. Adhesion is possible on different surfaces.

PET-G @df can be used on all common desktop FDM or FFF technology 3D printers.

Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.